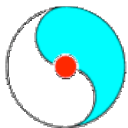




Run-6 Preparation & Run Plan

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Time and Scheduling Meeting





PHENIX about to be ready!

- Today's access:
 - BBC expected finally back in business after the Christmas shower
 - Other smaller issues related to Aerogel Detector, MPC cabling etc. being fixed
- Other than that, DAQ development work in full swing led by John Haggerty
- All subsystem experts are now at BNL, checking their respective subsystems for stability, operation and pedestals where necessary
- PHENIX 5 person regular shifts have begun today
- Data writing and archiving issues being fixed, tested, and improved
- PHENIX will be ready to take data middle/late this week
- All finer adjustments and improvement in efficiencies, final settings of the trigger thresholds etc. beyond that stage will need nights with continuous collisions

PHENIX run plan

- **4 weeks** of transverse radial scattering at 200 GeV CM for first exploration of *Sivers effect using back-to-back di-pion* correlations
 - $\sim 5 \text{ pb}^{-1}$ at 60% polarization, but 4 weeks a hard deadline
- **6.5-7 weeks** of long. Scattering at 200 GeV CM for consolidating the *ΔG result from Run-5* and **first** possible spin asymmetries from *direct photon production*
 - Desired FOM improvement: $(P^4L)_{\text{RUN6}} \sim \text{*at least* } 4 (P^4L)_{\text{RUN5}}$
 - Hard deadline of 7 weeks
- **2 weeks** of 62.4 GeV CM pp data for *Au-Au/Cu-Cu comparison*, transversely polarized if possible
 - 0.6 pb^{-1} initially suggested, but now, will take any sample $\sim 0.2 \text{ pb}^{-1}$
 - No polarization minimum
- **3 days** of 22 GeV CM pp data for *comparison with SpS*
 - 4 nb^{-1} , no polarization requirements
- **1 week** of machine commissioning and studies at 500 GeV CM polarized transverse & longitudinal data
 - Background and trigger studies & local polarimetry at 250 GeV CM